

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L13	151196	"67" and plane	US-PGPUB; USPAT	OR	ON	2005/04/05 16:31
L14	893	345/619.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/04/05 16:31
L15	881	345/629.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/04/05 16:31
L16	77	345/647.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/04/05 16:31
L17	535	345/660.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/04/05 16:31
L18	177	345/672.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/04/05 16:31
L19	97	345/661.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/04/05 16:31
L20	36	345/676.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/04/05 16:31
L21	2517	L14 L15 L16 L17 L18 L19 L20	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/04/05 16:31
L22	11424630	@ad<"20001219" @rlad<"20001219"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/04/05 16:31
L23	899491	lens or window	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/04/05 16:31
L24	11341	(distort\$4 or magnif\$8 or transform\$7) adj L23	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/04/05 16:31
L25	28	L21 and L22 and L24	US-PGPUB; USPAT	OR	ON	2005/04/05 16:31
L26	13	L25 and plane	US-PGPUB; USPAT	OR	ON	2005/04/05 16:37
L27	616250	"eps" (elastic adj presentation adj space)	US-PGPUB; USPAT	OR	ON	2005/04/05 16:51
L28	12	detail adj in adj context	US-PGPUB; USPAT	OR	ON	2005/04/05 16:37
L29	27	detail-in-context	US-PGPUB; USPAT	OR	ON	2005/04/05 16:38

L30	27	28 29	US-PGPUB; USPAT	OR	ON	2005/04/05 16:38
L31	616253	27 30	US-PGPUB; USPAT	OR	ON	2005/04/05 16:38
L32	501753	31 and 22	US-PGPUB; USPAT	OR	ON	2005/04/05 16:38
L33	357	32 and 21	US-PGPUB; USPAT	OR	ON	2005/04/05 16:38
L34	109	33 and plane	US-PGPUB; USPAT	OR	ON	2005/04/05 16:39
L35	95	33 and project\$4	US-PGPUB; USPAT	OR	ON	2005/04/05 16:50
L36	1018	multiscale (multi adj scale)	US-PGPUB; USPAT	OR	ON	2005/04/05 16:49
L37	9	(multiscale (multi adj scale)) adj view\$4	US-PGPUB; USPAT	OR	ON	2005/04/05 16:49
L38	0	22 and 37	US-PGPUB; USPAT	OR	ON	2005/04/05 16:49
L39	24	(elastic adj presentation adj space)	US-PGPUB; USPAT	OR	ON	2005/04/05 16:51
L40	0	(39 30) and 22 and 21 and project\$4	US-PGPUB; USPAT	OR	ON	2005/04/05 17:09
L41	1	"5670984".pn.	US-PGPUB; USPAT	OR	ON	2005/04/05 17:10
L42	1	lens and 41	US-PGPUB; USPAT	OR	ON	2005/04/05 17:22
L43	1	shape and 41	US-PGPUB; USPAT	OR	ON	2005/04/05 17:22
L44	0	(lens adj (pyramid multifaceted)) and 41	US-PGPUB; USPAT	OR	ON	2005/04/05 17:23
L45	0	(lens adj (pyramid)) and 41	US-PGPUB; USPAT	OR	ON	2005/04/05 17:24
L46	0	(lens adj pyramid) and 41	US-PGPUB; USPAT	OR	ON	2005/04/05 17:24
L47	1	(lens with pyramid) and 41	US-PGPUB; USPAT	OR	ON	2005/04/05 17:28
L48	1	greek\$4 and 41	US-PGPUB; USPAT	OR	ON	2005/04/05 17:31
L49	204167	(39 37 23 24 30) same (border edge side)	US-PGPUB; USPAT	OR	ON	2005/04/05 17:35
L50	139364	(39 37 23 24 30) with (border edge side)	US-PGPUB; USPAT	OR	ON	2005/04/05 17:32
L51	9773	(39 37 23 24 30) adj (border edge side)	US-PGPUB; USPAT	OR	ON	2005/04/05 17:32
L52	2244	(39 37 23 24 30) adj (border edge side)	EPO; JPO	OR	ON	2005/04/05 17:33

L53	2004	(49 50 51 52) and 22	EPO; JPO	OR	ON	2005/04/05 17:33
L54	291	(49 50 51 52) and 22 and 21	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/04/05 17:34
L55	30	51 and 22 and 21	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/04/05 17:34
L56	9	((((39 37 24 30) and 23) same (border edge side)) and 21 and 22	US-PGPUB; USPAT	OR	ON	2005/04/05 17:36
L57	9	((((39 37 24 30) same 23) same (border edge side)) and 21 and 22	US-PGPUB; USPAT	OR	ON	2005/04/05 17:37

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
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L15	881	345/629.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/04/05 16:31
L16	77	345/647.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/04/05 16:31
L17	535	345/660.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/04/05 16:31
L18	177	345/672.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/04/05 16:31
L19	97	345/661.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/04/05 16:31
L20	36	345/676.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/04/05 16:31
L21	2517	L14 L15 L16 L17 L18 L19 L20	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/04/05 16:31
L22	11424630	@ad<"20001219" @rlad<"20001219"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/04/05 16:31
L23	899491	lens or window	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/04/05 16:31
L24	11341	(distort\$4 or magnif\$8 or transform\$7) adj L23	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/04/05 16:31
L25	28	L21 and L22 and L24	US-PGPUB; USPAT	OR	ON	2005/04/05 16:31
L26	13	L25 and plane	US-PGPUB; USPAT	OR	ON	2005/04/05 16:37
L27	616250	"eps" (elastic adj presentation adj space)	US-PGPUB; USPAT	OR	ON	2005/04/05 16:51
L28	12	detail adj in adj context	US-PGPUB; USPAT	OR	ON	2005/04/05 16:37
L29	27	detail-in-context	US-PGPUB; USPAT	OR	ON	2005/04/05 16:38

L30	27	28 29	US-PGPUB; USPAT	OR	ON	2005/04/05 16:38
L31	616253	27 30	US-PGPUB; USPAT	OR	ON	2005/04/05 16:38
L32	501753	31 and 22	US-PGPUB; USPAT	OR	ON	2005/04/05 16:38
L33	357	32 and 21	US-PGPUB; USPAT	OR	ON	2005/04/05 16:38
L34	109	33 and plane	US-PGPUB; USPAT	OR	ON	2005/04/05 16:39
L35	95	33 and project\$4	US-PGPUB; USPAT	OR	ON	2005/04/05 16:50
L36	1018	multiscale (multi adj scale)	US-PGPUB; USPAT	OR	ON	2005/04/05 16:49
L37	9	(multiscale (multi adj scale)) adj view\$4	US-PGPUB; USPAT	OR	ON	2005/04/05 16:49
L38	0	22 and 37	US-PGPUB; USPAT	OR	ON	2005/04/05 16:49
L39	24	(elastic adj presentation adj space)	US-PGPUB; USPAT	OR	ON	2005/04/05 16:51
L40	0	(39 30) and 22 and 21 and project\$4	US-PGPUB; USPAT	OR	ON	2005/04/05 16:52
S1	508947	lens or window	US-PGPUB; USPAT	OR	OFF	2005/04/05 14:15
S2	43456	(distort\$4 or magnif\$4 or transform\$6) same S1	US-PGPUB; USPAT	OR	OFF	2005/04/05 09:46
S3	159	pdf and network and S2	US-PGPUB; USPAT	OR	OFF	2004/11/08 14:21
S4	3383010	@ad<"20001219" or @rlad<"20001219"	US-PGPUB; USPAT	OR	OFF	2004/11/08 14:21
S5	90	S3 and S4	US-PGPUB; USPAT	OR	OFF	2004/11/08 14:22
S6	68	345/647.ccls.	US-PGPUB; USPAT	OR	OFF	2004/11/08 14:26
S7	496	345/660.ccls.	US-PGPUB; USPAT	OR	OFF	2004/11/08 14:23
S8	807	345/619.ccls.	US-PGPUB; USPAT	OR	OFF	2004/11/08 14:23
S9	1343	S6 or S8 or S7	US-PGPUB; USPAT	OR	OFF	2004/11/08 14:23
S10	0	S5 and S9	US-PGPUB; USPAT	OR	OFF	2004/11/08 14:23
S11	54152	"348"/\$6.ccls.	US-PGPUB; USPAT	OR	OFF	2004/11/08 14:23
S12	0	S5 and S11	US-PGPUB; USPAT	OR	OFF	2004/11/08 14:24

S13	2981	S2 and S11	US-PGPUB; USPAT	OR	OFF	2004/11/08 14:24
S14	2497	S13 and S4	US-PGPUB; USPAT	OR	OFF	2004/11/08 14:24
S15	43457	"345"/\$6.ccls.	US-PGPUB; USPAT	OR	OFF	2004/11/08 14:24
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S17	3253	fish\$6 near4 len\$4	US-PGPUB; USPAT	OR	OFF	2004/11/08 14:26
S18	2140378	pdf or text\$4	US-PGPUB; USPAT	OR	OFF	2004/11/08 14:27
S19	439800	network or www or browser	US-PGPUB; USPAT	OR	OFF	2004/11/08 14:28
S20	2476471	S18 or S19	US-PGPUB; USPAT	OR	OFF	2004/11/08 14:30
S21	625	S17 and S20	US-PGPUB; USPAT	OR	OFF	2004/11/08 14:31
S22	421033	(distort\$4 or magnif\$8 or transform\$7 or lens) same (information presentation image object visual)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/04/05 09:47
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S24	7641	overla\$4 adj (visual information object image)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/04/05 13:18
S25	45828	(distort\$4 or magnif\$8 or transform\$7 or lens) adj (information presentation image object visual)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/04/05 14:15
S26	81	S25 same S24	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/04/05 13:18
S27	1084	S25 and S24	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/04/05 13:18
S30	893	345/619.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/04/05 13:24
S31	881	345/629.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/04/05 13:25
S32	77	345/647.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/04/05 13:25

S33	535	345/660.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/04/05 13:25
S34	177	345/672.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/04/05 13:27
S35	97	345/661.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/04/05 13:27
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S37	2517	S30 S31 S32 S33 S34 S35 S36	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/04/05 13:30
S38	7	S26 and S37	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/04/05 13:52
S39	11424630	@ad<"20001219" @rlad<"20001219"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/04/05 13:53
S40	3	S38 and S39	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/04/05 14:02
S41	942669	screen real estate	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/04/05 14:02
S42	518	screen adj real adj estate	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/04/05 14:03
S43	338	S39 and S42	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/04/05 14:03
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S45	0	S43 and S37	EPO; JPO	OR	ON	2005/04/05 14:03
S46	20	S43 and S25	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/04/05 14:04
S47	337	S25 and S37	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/04/05 14:09
S48	245	S39 and S47	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/04/05 14:09
S49	899491	lens or window	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/04/05 14:15

S50	80470	(distort\$4 or magnif\$8 or transform\$7) same S49	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/04/05 14:28
S51	192	S37 and S39 and S50	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/04/05 14:24
S52	163649	S41 and S49 and S39	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/04/05 14:17
S53	93412	S41 same S49	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/04/05 14:17
S54	69556	S53 and S39	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/04/05 14:18
S55	13735	S54 and S50	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/04/05 14:18
S56	1415	S54 and S50	EPO; JPO	OR	ON	2005/04/05 14:19
S57	0	(S42 same (S49 adj S25)) and S39	EPO; JPO	OR	ON	2005/04/05 14:19
S58	0	(S42 same (S49 with S25)) and S39	EPO; JPO	OR	ON	2005/04/05 14:20
S59	0	(S42 same (S49 with S25)) and S39	US-PGPUB; USPAT	OR	ON	2005/04/05 14:20
S60	1745	"345"/\$6.ccls. and S39 and S50	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/04/05 14:23
S61	2259	"345"/\$6.ccls. and S50	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/04/05 14:23
S62	2231	"345"/\$6.ccls. and S50	US-PGPUB; USPAT	OR	ON	2005/04/05 14:28
S63	1717	S62 and S39	US-PGPUB; USPAT	OR	ON	2005/04/05 14:24
S64	11341	(distort\$4 or magnif\$8 or transform\$7) adj S49	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/04/05 14:28
S65	249	"345"/\$6.ccls. and S39 and S64	US-PGPUB; USPAT	OR	ON	2005/04/05 14:29
S67	28	S37 and S39 and S64	US-PGPUB; USPAT	OR	ON	2005/04/05 16:31



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1 [Virtual and augmented reality: Through the looking glass: the use of lenses as an interface tool for Augmented Reality interfaces](#)

Julian Looser, Mark Billingham, Andy Cockburn

 June 2004 **Proceedings of the 2nd international conference on Computer graphics and interactive techniques in Australasia and South East Asia**
Full text available: [pdf\(430.34 KB\)](#)
 Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

In this paper we present new interaction techniques for virtual environments. Based on an extension of 2D MagicLenses, we have developed techniques involving 3D lenses, information filtering and semantic zooming. These techniques provide users with a natural, tangible interface for selectively zooming in and out of specific areas of interest in an Augmented Reality scene. They use rapid and fluid animation to help users assimilate the relationship between views of detailed focus and global context ...

Keywords: Augmented Reality, MagicLenses, semantic zooming

2 [High resolution virtual reality](#)

Michael Deering

 July 1992 **ACM SIGGRAPH Computer Graphics, Proceedings of the 19th annual conference on Computer graphics and interactive techniques**, Volume 26 Issue 2
Full text available: [pdf\(4.27 MB\)](#)
 Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)
Keywords: head-tracking, stereoscopic display, virtual reality

3 [Display: Improving revisitation in fisheye views with visit wear](#)

Amy Skopik, Carl Gutwin

 April 2005 **Proceeding of the SIGCHI conference on Human factors in computing systems**
Full text available: [pdf\(523.18 KB\)](#)
 Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

The distortion caused by an interactive fisheye lens can make it difficult for people to remember items and locations in the data space. In this paper we introduce the idea of visit wear - a visual representation of the places that the user has previously visited - as a way to improve navigation in spaces affected by distortion. We outline the design dimensions of visit wear, and report on two studies. The first shows that increasing the distortion of a fisheye view does significantly reduce people's ...

Keywords: edit wear, fisheye usability, fisheye views, focus+context techniques, memorability, spatial memory, visit wear

4 3-dimensional pliable surfaces: for the effective presentation of visual information

M. Sheelagh T. Carpendale, David J. Cowperthwaite, F. David Fracchia

December 1995 **Proceedings of the 8th annual ACM symposium on User interface and software technology**




Full text available:  [pdf\(1.13 MB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

Keywords: 3D interactions, distortion viewing, information visualization, interface design issues, interface metaphors, screen layout

5 A widget framework for augmented interaction in SCAPE

Leonard D. Brown, Hong Hua, Chunyu Gao

November 2003 **Proceedings of the 16th annual ACM symposium on User interface software and technology**

Full text available:  [pdf\(8.29 MB\)](#)  [mov\(6:51 MIN\)](#)  [wmv\(6:51 MIN\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)


We have previously developed a collaborative infrastructure called SCAPE - an acronym for Stereoscopic Collaboration in Augmented and Projective Environments - that integrates the traditionally separate paradigms of virtual and augmented reality. In this paper, we extend SCAPE by formalizing its underlying mathematical framework and detailing three augmented Widgets constructed via this framework: CoCylinder, Magnifier, and CoCube. These devices promote intuitive ways of selecting, examining, an ...

Keywords: augmented reality (AR), head-mounted display (HMD), head-mounted projective display (HMPD), human computer Interaction (HCI), tangible user interface (TUI), virtual reality (VR)

6 Continuous lifelong capture of personal experience with EyeTap

Steve Mann

October 2004 **Proceedings of the the 1st ACM workshop on Continuous archival and retrieval of personal experiences**

Full text available:  [pdf\(4.25 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

I begin with the argument that continuous archival of personal experience requires certain criteria to be met. In particular, for continuous usage, it is essential that each ray of light entering the eye be collinear with a corresponding ray of light entering the device, in at least one mode of operation. This is called the EyeTap criterion, and devices meeting this criterion are called EyeTap devices. Secondly, I outline Mediated Reality as a necessary framework for continuous archival and r ...

Keywords: computer mediated reality, computer vision, concomitant cover activity, cyborglog, equiveillance, eyetap, inverse surveillance, oversight, perveillance, sousveillance, sousvey, surveillance, survey, undersight, weblog

7 Knowledge-based assistant for colonoscopy

L. Enrique Sucar, Duncan F. Gillies

June 1990 **Proceedings of the third international conference on Industrial and engineering applications of artificial intelligence and expert systems - Volume 2**

Full text available:  [pdf\(820.76 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)